



**Product:** [82504](#)

RS232, #24-4pr, FEP, O/A Foil, LS-PVC Jkt, CMP

Product Description

Computer EIA RS-232 Cable, 4-Pair, 24 AWG stranded (7x32) tinned copper conductors, FEP insulation, overall Beldfoil® shield (100% coverage), 24 AWG stranded tinned copper drain wire, Flamarrest® jacket, plenum rated

Technical Specifications

Product Overview

|                        |                                                                                                                                                                                                   |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Suitable Applications: | indoor plenum applications; RS-232 applications; computer communications; low voltage analog signals (4-20ma, 0-10v, ...); low voltage digital control (24v, ...); line level audio; panel wiring |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Construction Details

Conductor

| Element | Number of Element | Size   | Stranding | Material           |
|---------|-------------------|--------|-----------|--------------------|
| Pair(s) | 4                 | 24 AWG | 7x32      | TC - Tinned Copper |

Insulation

| Element | Material                             | Nom. Thickness     | Color Code                                              |
|---------|--------------------------------------|--------------------|---------------------------------------------------------|
| Pair(s) | FEP - Fluorinated Ethylene Propylene | 0.006 in (0.15 mm) | Black & Red, Black & White, Black & Green, Black & Blue |

Outer Shield

| Shield Type | Material                | Coverage | Drainwire Type   |
|-------------|-------------------------|----------|------------------|
| Tape        | Bi-Laminate (Alum+Poly) | 100%     | 24 AWG (7x32) TC |

Outer Jacket

| Material                 | Nom. Thickness     | Nom. Diameter      |
|--------------------------|--------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.014 in (0.36 mm) | 0.193 in (4.90 mm) |

|                                   |                    |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.193 in (4.90 mm) |
|-----------------------------------|--------------------|

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR            | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current                   |
|---------|-------------------------------|-------------------------------|-------------------------------------------------|--------------------------------|
| Pair(s) | 24.1 Ohm/1000ft (79.1 Ohm/km) | 25 pF/ft (82 pF/m)            | 45 pF/ft (150 pF/m)                             | 1.5 Amps per Conductor at 25°C |

Voltage

| UL Voltage Rating |
|-------------------|
| 300 V (CMP)       |

Mechanical Characteristics

Temperature

| Operating    |
|--------------|
| 0°C to +60°C |

|                    |                          |
|--------------------|--------------------------|
| Max. Pull Tension: | 50 lbs (23 kg)           |
| Bulk Cable Weight: | 22 lbs/1000ft (33 kg/km) |

Standards and Compliance

|                                  |                                                                              |
|----------------------------------|------------------------------------------------------------------------------|
| Flammability / Reaction to Fire: | NFPA 262 Plenum Flame Test (UL910)                                           |
| NEC / UL Compliance:             | Article 800, CMP                                                             |
| CEC / C(UL) Compliance:          | CMP                                                                          |
| European Directive Compliance:   | EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance:                 | China RoHS II (GB/T 26572-2011)                                              |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.299 Revision Date: 05-05-2023 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #         | Color   | UPC          |
|----------------|---------|--------------|
| 82504 8771000  | Natural | 612825197218 |
| 82504 877U1000 | Natural | 612825197201 |

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